

SEQUENCE LISTING

SAC1
 <110> Prionics AG
 Moser, Markus
 Oesch, Bruno
 Korth, Carsten

<120> SYNTHETIC POLYPEPTIDE FOR DIAGNOSING AND TREATING PRION-RELATED DISEASES

<130> SCH-32409

<140> 09/508,828

<141> 2000-07-24

<150> PCT/EP98/05924

<151> 1998-09-17

<160> 12

B5 <170> PatentIn version 3.1

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<213> Bos taurus

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<223> Asn or Ser

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<222> (4)..(4)

<223> Trp or Tyr

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<222> (8)..(9)

<223> The Tyr-Tyr at positions 8-9 may be absent

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Gly Xaa Asp Xaa Glu Asp Arg Tyr Tyr
1 5

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<223> The Gln at position 1 may be absent

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<223> The Asn-Gln at position 12-13 may be absent

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Gln	Val	Tyr	Tyr	Xaa	Pro	Xaa	Asp	Xaa	Tyr	Xaa	Asn	Gln
1				5					10			

<210> 3
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<222> (10)..(10)
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Cys Xaa Thr Gln Tyr Xaa Xaa Glu Ser Xaa Ala Xaa Tyr
1 5 10

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Tyr Arg Glu Asn Met Xaa Arg Tyr Pro Asn Gln Val Tyr
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Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro His Gly
1 5 10 15

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<222> (9)..(9)

<223> Met or Leu or Phe

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Lys Pro Xaa Lys Pro Lys Thr Xaa Xaa Lys His Xaa Ala Gly
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Tyr Xaa Leu Gly Ser
1 5

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Asn	Met	Xaa	Arg	Tyr	Pro	Xaa	Gln	Val	Tyr	Tyr	Xaa
1				5					10		

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Gly	Ala	Val	Val	Gly	Gly	Leu	Gly	Gly	Tyr	Xaa	Xaa	Tyr	Tyr	Xaa	Pro
1				5					10					15	

Xaa	Asp	Xaa	Tyr	Xaa	Asn	Gln
					20	

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<223> The Gly at position 13 may be absent

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<223> Met or Val or Ala

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<223> This is a conventional spacer, such as Gly-Gly

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Tyr Tyr Xaa Pro Xaa Asp Xaa Tyr Xaa Asn Gln Xaa Gly Ala Val Val
1 5 10 15

Gly Gly Leu Gly Gly Tyr Xaa
20

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<213> Bos taurus

<400> 12

Met Lys Lys Arg Pro Lys Pro Gly Gly Gly Trp Asn Thr Gly Gly Ser
1 5 10 15

Arg Tyr Pro Gly Gln Gly Ser Pro Gly Gly Asn Arg Tyr Pro Pro Gln
20 25 30

Gly Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro
35 40 45

His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Trp Gly Gln Pro
50 55 60

His Gly Gly Gly Trp Gly Gln Pro His Gly Gly Gly Gly Trp Gly Gln
65 70 75 80

Gly Gly Thr His Gly Gln Trp Asn Lys Pro Ser Lys Pro Lys Thr Asn
85 90 95

Met Lys His Val Ala Gly Ala Ala Ala Ala Gly Ala Val Val Gly Gly
100 105 110

Leu Gly Gly Tyr Met Leu Gly Ser Ala Met Ser Arg Pro Leu Ile His
115 120 125

Phe Gly Ser Asp Tyr Glu Asp Arg Tyr Tyr Arg Glu Asn Met His Arg
130 135 140

Tyr Pro Asn Gln Val Tyr Tyr Arg Pro Val Asp Gln Tyr Ser Asn Gln
145 150 155 160

Asn Asn Phe Val His Asp Cys Val Asn Ile Thr Val Lys Glu His Thr
165 170 175

Val Thr Thr Thr Thr Lys Gly Glu Asn Phe Thr Glu Thr Asp Ile Lys
180 185 190

Met Met Glu Arg Val Val Glu Gln Met Cys Ile Thr Gln Tyr Gln Arg
195 200 205

Glu Ser Gln Ala Tyr Tyr Gln Arg Gly Ala Ser
210 215